

ELECTRICAL CABLE AND CONNECTION STRUCTURE BETWEEN
ELECTRICAL CABLE AND TERMINAL

ABSTRACT OF THE DISCLOSURE

An electrical cable is used to form an internal circuit in an electrical connection box to be mounted on an automobile. An aluminum-based metal conductor is covered with a heat-resistant resin, such as PE (polyethylene) or PBT (polybutylene terephthalate). The conductor is a single core wire or a twisted core wire, which has a plurality of element wires. The conductor is pushed into an insulation displacement slot in an insulation displacement terminal. The insulation displacement terminal is made from an aluminum-based metal or a copper-based metal. A welding material, made of an iron-based metal, welds a contact portion between the conductor and a blade section on an inner peripheral edge of the insulation displacement slot.